

10/539677

1/12

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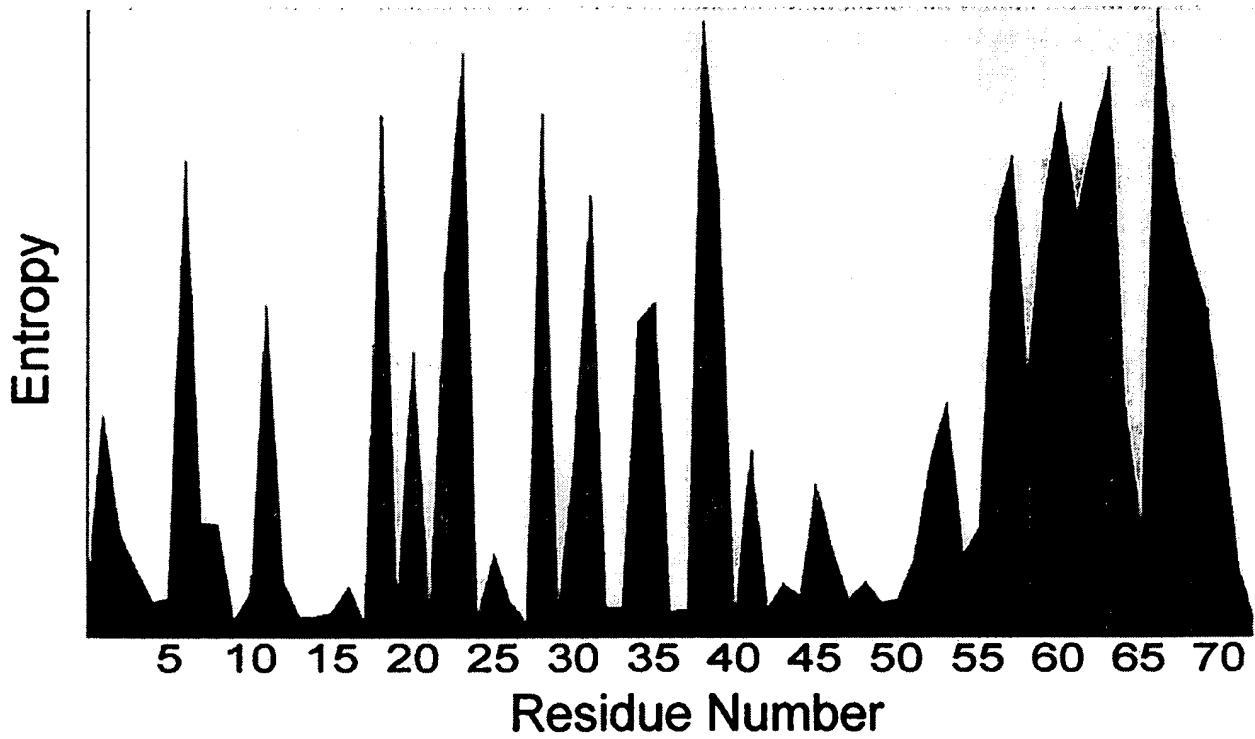


FIGURE 1

2/12

Peptide set 1, a.a. 1-20

1	MEPVD	PRLEP	WKHPG	SQPKT	(SEQ ID NO. 16)
2	MEPVD	PKLEP	WKHPG	SQPRT	(SEQ ID NO. 17)
3	MEPVD	PNLEP	WKHPG	SQPRT	(SEQ ID NO. 18)
4	MEPVD	PNLEP	WNHPG	SQPKT	(SEQ ID NO. 19)
5	MDPVD	PSLEP	WNHPG	SQPKT	(SEQ ID NO. 20)
6	DPGTV	EPKPL	HPERK	QMPWS	(SEQ ID NO. 21)

Peptide set 2, a.a. 16-35

7	SQPKT	ACTNC	YCKKC	CFHCQ	(SEQ ID NO. 22)
8	SQPRT	ACTSC	YCKKC	CFHCQ	(SEQ ID NO. 23)
9	SQPRT	ACNNC	YCKKC	CFHCY	(SEQ ID NO. 24)
10	SQPKT	ACNKC	YCKNC	SYHCL	(SEQ ID NO. 25)
11	SQPKT	ACNTC	YCKKC	CYHCQ	(SEQ ID NO. 26)
12	TCCQK	NKCPT	KHQCC	FSAYC	(SEQ ID NO. 27)

Peptide set 3, a.a. 31-50

13	CFHCQ	VCFMT	KALGI	SYGRK	(SEQ ID NO. 28)
14	CFHCQ	VCFIT	KGLGI	SYGSK	(SEQ ID NO. 29)
15	CFHCY	ACFTR	KGLGI	SYGRK	(SEQ ID NO. 30)
16	SYHCL	VCFQT	KGLGI	SYGRK	(SEQ ID NO. 31)
17	CYHCQ	VCFLN	KGLGI	SYGRK	(SEQ ID NO. 32)
18	QTIKC	MGRFH	LFGCA	YCVKS	(SEQ ID NO. 33)

FIGURE 2A

3/12

Peptide set 4, a.a. 46-65

19	SYGRK	KRRQR	RRAHQ	NSQTH	(SEQ ID NO. 34)
20	SYGSK	KRRQR	RRPPQ	DNQTH	(SEQ ID NO. 35)
21	SYGRK	KRRQR	RRAPQ	DSQTH	(SEQ ID NO. 36)
22	SYGRK	KRRQR	RSAPP	SSEDH	(SEQ ID NO. 37)
23	SYGRK	KRRQR	RSAPP	SNGDH	(SEQ ID NO. 38)
24	QKRHR	QHTGR	AQYRS	RSKRN	(SEQ ID NO. 39)

Peptide set 5, a.a. 61-80

25	NSQTH	QASLS	KQPTS	QSRGD	(SEQ ID NO. 40)
26	CNQTH	QVSLS	KQPSS	QPRGD	(SEQ ID NO. 41)
27	DSQTH	QASLS	KQPAS	QSRGD	(SEQ ID NO. 42)
28	SSEDH	QLNIP	KQPLP	RTQGD	(SEQ ID NO. 43)
29	SNGDH	QNPIS	KQPLP	QTRGD	(SEQ ID NO. 44)
30	HSSDT	LTGQS	PRSAQ	SNQKQ	(SEQ ID NO. 45)

Peptide set 6, a.a. 76-95

31	QSRGD	PTGPK	ESKKK	VERET	(SEQ ID NO. 46)
32	QPRGD	PTGPK	ESKKK	VERET	(SEQ ID NO. 47)
33	QSRGD	PTGPT	ESKKK	VERET	(SEQ ID NO. 48)
34	RTQGD	PTGSE	ESKKK	VESKT	(SEQ ID NO. 49)
35	QTRGD	PTGSK	ESKKE	VESKT	(SEQ ID NO. 50)
36	KDKTG	EKPRK	GRSTS	EQPEV	(SEQ ID NO. 51)

FIGURE 2B

10/539677

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4/12

	96079	96116	96122	96134	Peptide
Unmodified Tat					1
Peptide set 1					2
	0.0	0.0	0.0	0.0	3
	0.0	0.0	0.0	0.0	4
	0.0	0.0	0.0	0.0	5
	0.0	0.0	0.0	0.0	6 control
	0.0	0.0	0.0	0.0	7
Peptide set 2	0.0	0.0	0.0	0.0	8
	0.0	0.0	0.0	0.0	9
	0.0	0.0	0.0	0.0	10
	0.0	0.0	0.0	0.0	11
	0.0	0.0	0.0	0.0	12 control
	0.0	0.0	0.0	0.0	13
Peptide set 3	0.0	0.0	0.0	0.0	14
	0.0	0.0	0.0	0.0	15
	0.0	0.0	0.0	0.0	16
	0.0	0.0	0.0	0.0	17
	0.0	0.0	0.0	0.0	18 control
	0.0	0.0	0.0	0.0	19
Peptide set 4	0.0	0.0	0.0	0.0	20
	0.0	0.0	0.0	0.0	21
	0.0	0.0	0.0	0.0	22
	0.0	0.0	0.0	0.0	23
Peptide set 5	0.0	0.0	0.0	0.0	24 control
	0.0	0.0	0.0	0.0	25
	0.0	0.0	0.0	0.0	26
	0.0	0.0	0.0	0.0	27
	0.0	0.0	0.0	0.0	28
	0.0	0.0	0.0	0.0	29
Peptide set 6	0.0	0.0	0.0	0.0	30 control
	0.0	0.0	0.0	0.0	31
	0.0	0.0	0.0	0.0	32
	0.0	0.0	0.0	0.0	33
	0.0	0.0	0.0	0.0	34
	0.0	0.0	0.0	0.0	35
	0.0	0.0	0.0	0.0	36 control

O.D.

0.0 to 0.199
1.0 to 1.999
0.5 to 0.999
0.2 to 0.499
0.0 to 0.099

FIGURE 3A

5/12

Tat toxoid

Peptide set 1

Peptide set 2

Peptide set 3

Peptide set 4

Peptide set 5

Peptide set 6

	95011	96032	95042	96058	96061	Peptide	
	0.0	0.0	0.0	0.0	0.0	1	2
	0.0	-0.1	0.6	0.6	-0.2	2	3
	0.0	0.0	-0.1	0.2	-0.1	3	4
	0.0	0.0	-0.1	-0.1	-0.1	4	5
	0.0	0.0	0.4	0.4	-0.1	5	6
	0.0	0.0	0.6	0.6	-0.1	6	7
	0.1	-0.1	0.4	0.5	-0.2	7	8
	0.1	0.0	-0.1	0.1	0.3	8	9
	0.1	0.0	-0.1	-0.1	0.4	9	10
	0.1	0.0	0.6	0.6	-0.1	10	11
	0.0	0.0	0.0	0.0	0.0	11	12
	0.1	-0.1	0.4	0.5	-0.2	12	13
	0.1	0.0	-0.1	0.1	0.2	13	14
	0.1	0.0	0.2	0.2	-0.2	14	15
	0.1	0.0	0.2	0.1	0.8	15	16
	0.1	0.1	0.3	0.4	-0.2	16	17
	0.0	0.0	0.0	0.0	0.0	17	18
	0.0	0.0	0.2	0.2	-0.3	18	19
	0.1	0.1	0.8	0.8	-0.3	19	20
	0.1	0.0	-0.2	0.1	-0.3	20	21
	0.1	0.0	-0.2	-0.2	0.6	21	22
	0.1	0.0	-0.2	-0.2	-0.3	22	23
	0.0	0.0	0.0	0.0	0.0	23	24
	0.0	0.0	0.0	0.0	0.0	24	25
	-0.1	0.0	0.0	0.0	0.0	25	26
	0.0	0.0	0.0	0.0	0.0	26	27
	0.0	0.0	0.0	0.0	0.0	27	28
	0.0	0.0	0.0	0.2	-0.1	28	29
	0.0	0.0	0.1	-0.1	0.0	29	30
	0.0	0.0	0.0	0.0	0.0	30	31
	-0.1	0.0	-0.1	-0.1	0.0	31	32
	0.0	-0.1	-0.1	0.4	0.3	32	33
	0.0	-0.0	-0.1	-0.1	0.0	33	34
	0.0	-0.0	-0.1	-0.1	0.1	34	35
	0.0	0.0	0.0	0.0	0.1	35	36
	0	0	0	0	0	36	control

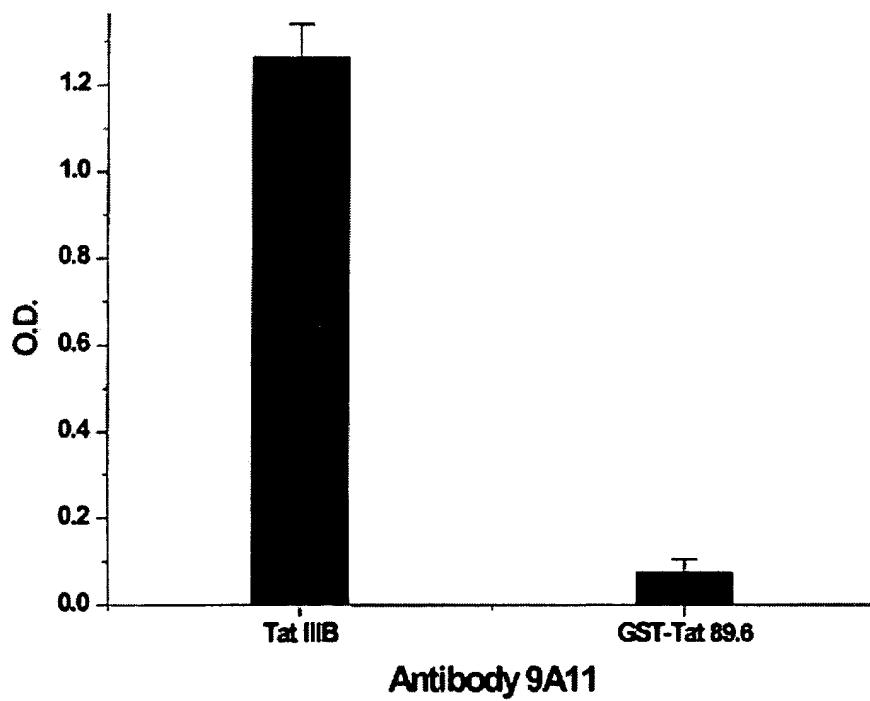
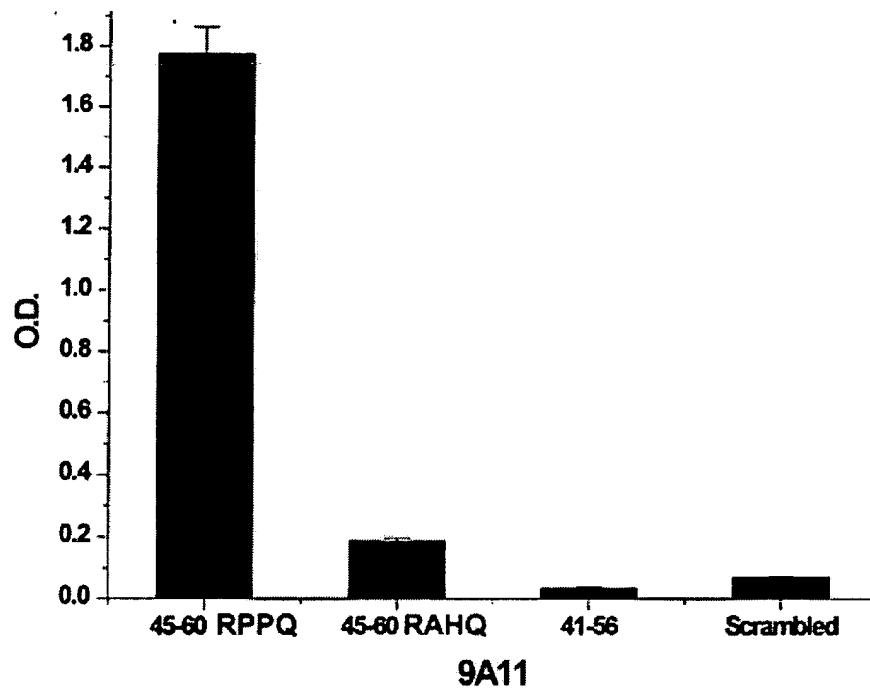
O.D.

1.000
0.7 to 1.000
0.5 to 0.999
0.2 to 0.499
0.1 to 0.199

FIGURE 3B

10/539677

6/12



Antibody 9A11

FIGURE 4A

10/539677

7/12

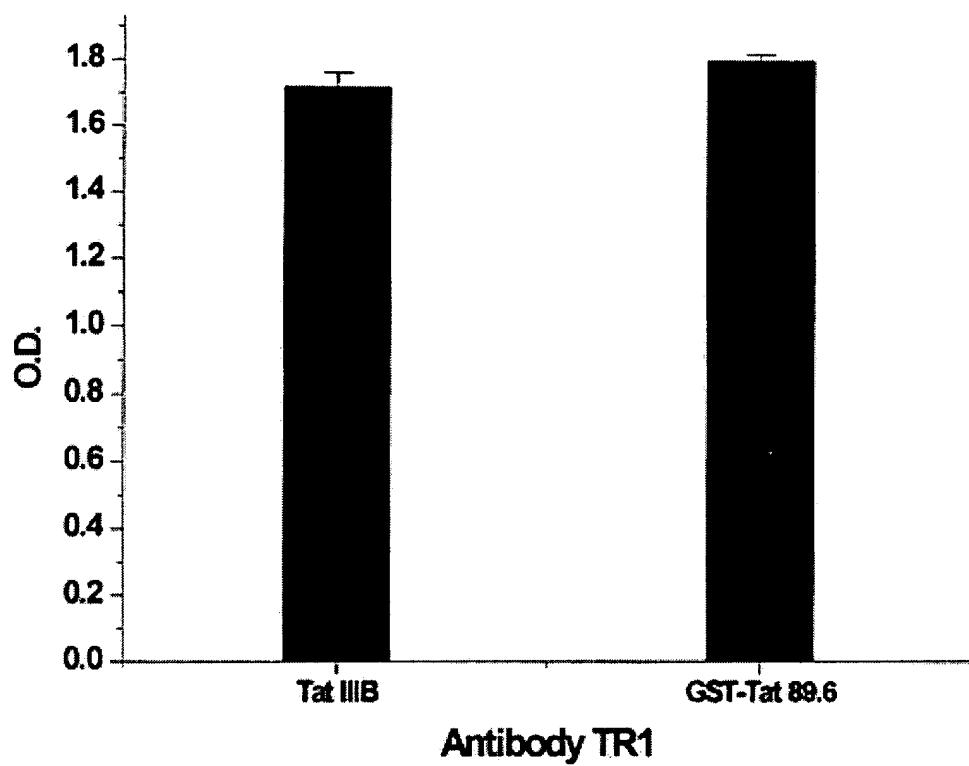
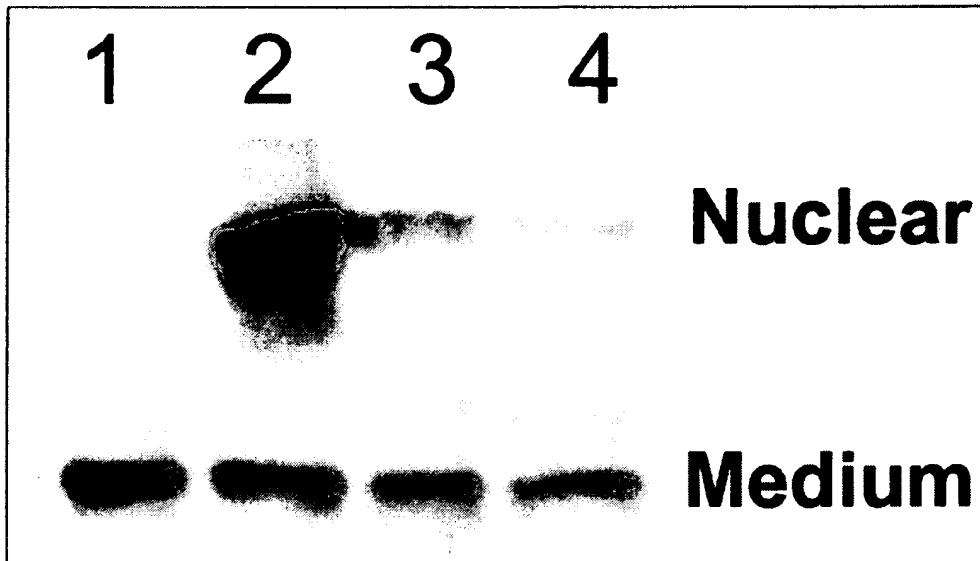
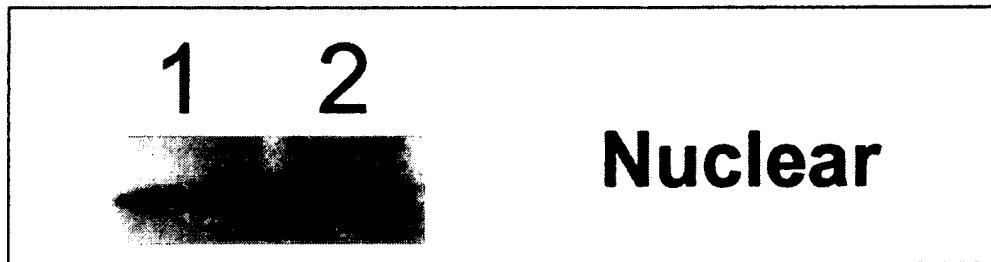


FIGURE 4B

8/12

A**B****FIGURE 5**

9/12

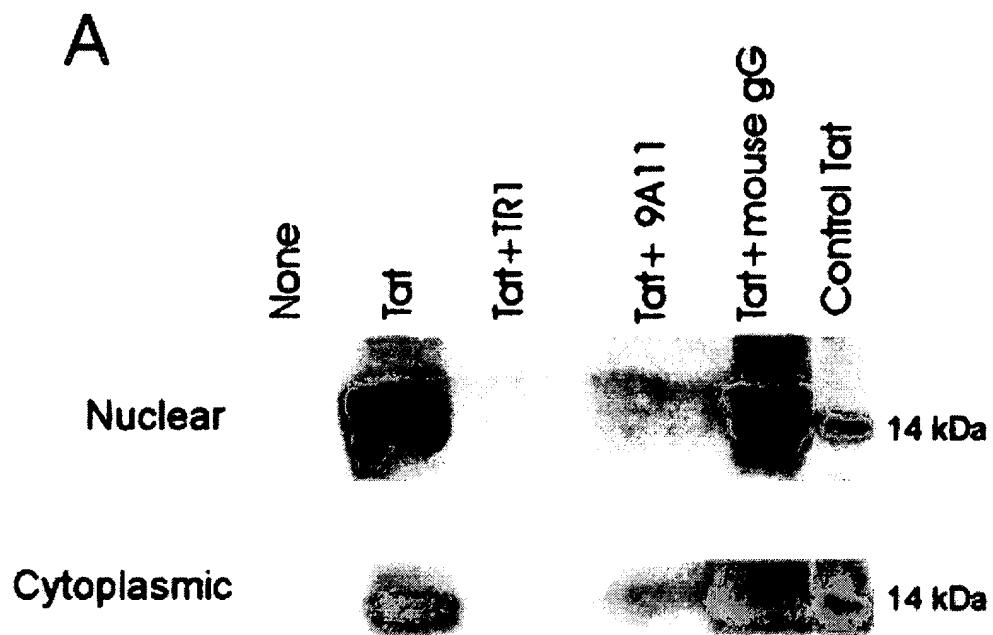
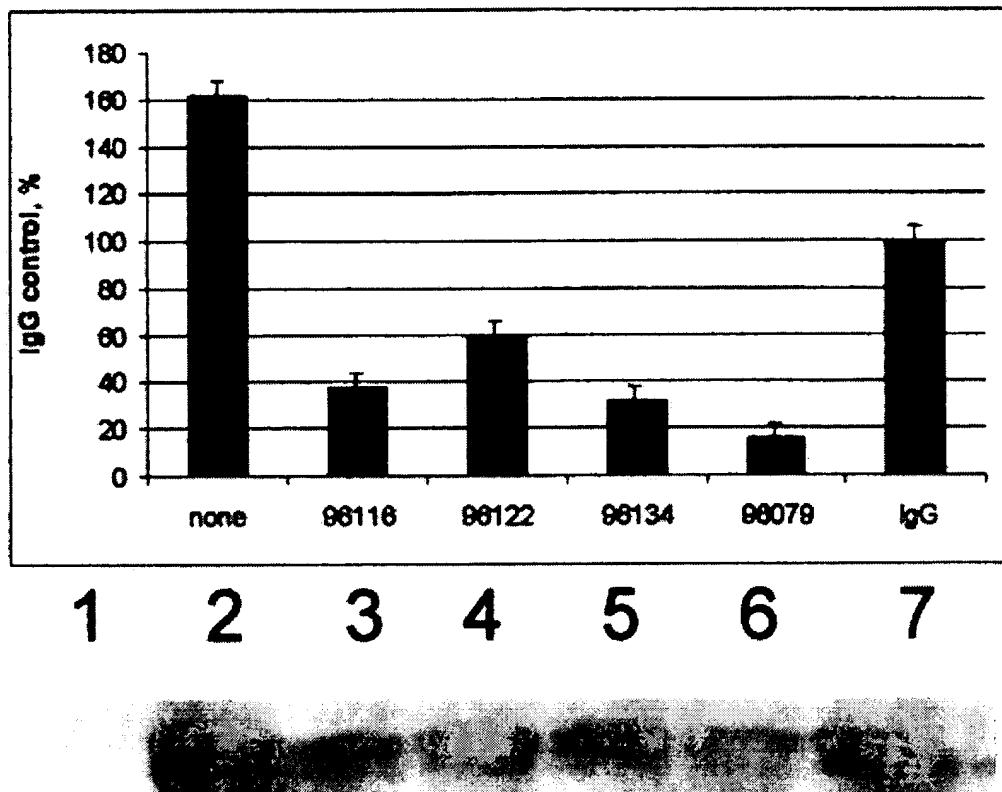


FIGURE 6A

10/12

B**FIGURE 6B**

10/539677

11/12

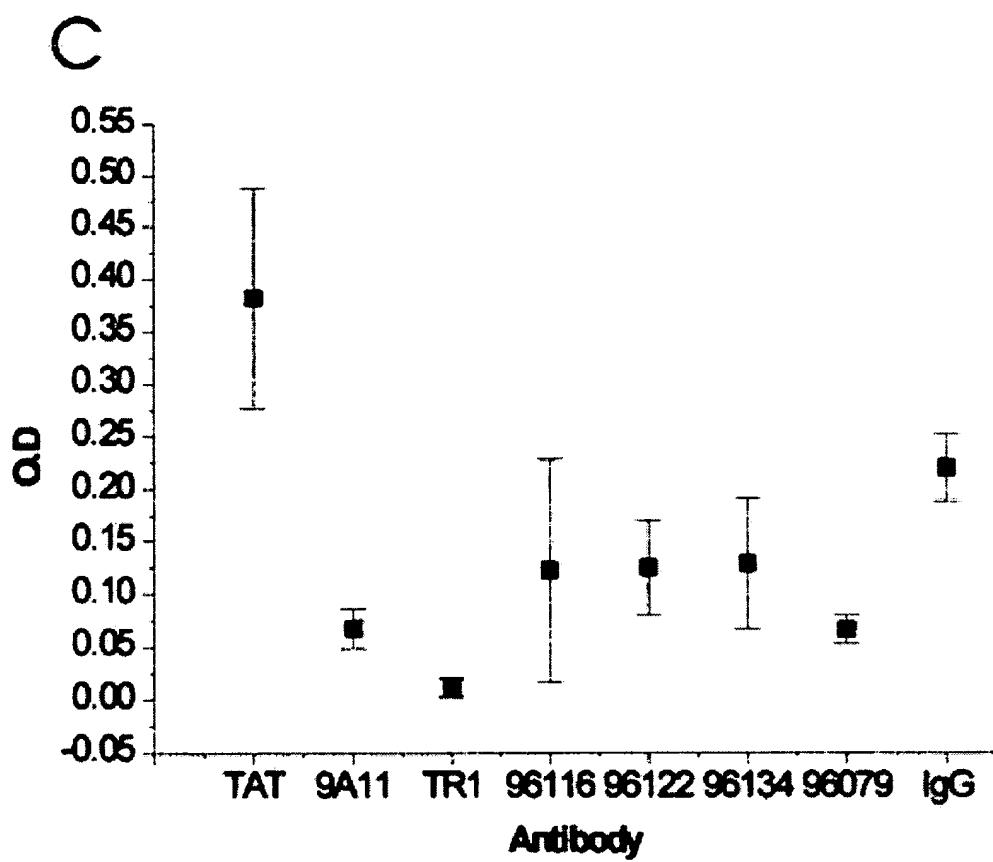


FIGURE 6C

10/539677

12/12

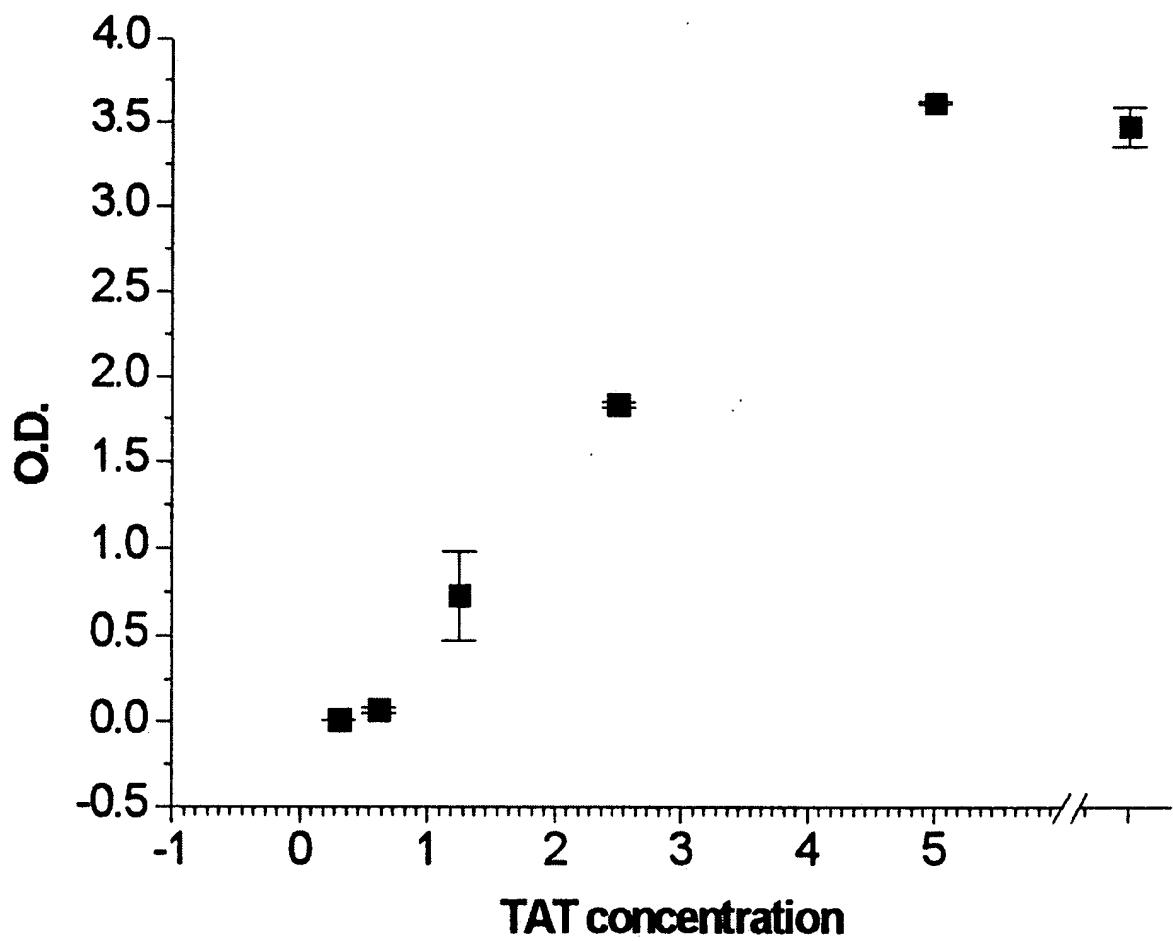


FIGURE 7